



NITFS Compliance Registration



Product: CRSS POC and ROC H/W Architecture
employing CIPCSC software version 4.2.82

Sponsor: GeoEye

Developer: Raytheon

Date: 30 March 2010
Expiration: 29 March 2012
Registration #: 1048

☒ **System** ☐ **Product** ☐ **Component**

N-0105, §4.1.1 N-0105, §4.1.2 N-0105, §4.1.3

- ☐ Initial Registration
☒ Supplemental/Update #
☐ Derived from Reg. #

Complexity Level

NITF 2.1 CLEVEL							
	3	5	6	7			
Interpret							
Generate							
NITF 2.0 CLEVEL							
	1	2	3	4	5	6	Other
Interpret							
Generate							

Configurations Tested:

- SGI (IRIX and LINUX)
CIPCSC software version 4.2.82

Format

NITF

- ☒ 2.1
☒ 2.0
☐ 1.1

NSIF

- ☐ 1.0

Pixel Value Types

- ☐ Boolean
☒ Integer
☐ Signed Integer *
☐ IEEE Real *
☐ IEEE Complex *

Annotation Segment Types

- ☐ Bit Mapped **
☐ CGM, 2301
☐ CGM, 2301A
☐ Labels **

Text Segments

- ☒ STA
☐ UT1
☐ U8S
☐ MTF

NITFS Features Implemented:

Image Segment Types

- ☒ MONO
☒ RGB
☐ RGB/LUT
☐ YCbCr
☒ MULTI
☒ NODISPLAY
☐ POLAR
☐ No Mask
☐ Mask

Image Compression

- ☒ No compression
☒ JPEG Lossy, 8-bit
☐ JPEG Lossy, 12-bit
☐ JPEG Downsample
☐ JPEG Lossless
☒ JPEG 2000
☐ Code Stream w/o JP2
☐ Code Stream w/JP2
☒ 1 Band
☒ 3 Band RGB
☐ 1 Band RGB/LUT
☒ Multiband
☐ Bi-Level
☐ Vector Quantization

Data Extension Segments

- ☒ TRE_OVERFLOW
☐ STREAMING FILE HEADER
☐ Controlled Extensions
☒ Registered Extensions
☐ CSATTA
☒ CSSHPA

Tagged Record Extensions

- ☒ CSCCGA ☒ HISTOA
☒ CSCRNA ☒ J2KLRA
☒ CSDIDA ☒ MAPLOB
☒ CSEXRA ☒ NBLOCA
☒ CSPROA ☒ PIAIMC
☒ CSSFAA ☒ PRJPSB
☒ GEOLOB ☒ RPC00B
☒ GEOPSB ☒ STDIDC
☒ STREOB ☒ USE00A
☒ CSEPHA

Bit-Per-Pixel

- ☐ 1
☒ 8
☐ 9-16
☒ 16
☐ 17-32
☐ 32
☐ 33-64
☐ 64

Legend

- ** NITF 2.0 only feature
* NITF 2.1 only feature
☒ Fully implemented
☐ Partially implemented
☐ Not implemented

VALERIE BAKER, Lt Col, USAF, Division Chief
Joint Interoperability Test Command
Executive Agent to National Geospatial-
Intelligence Agency for the NITFS Test and
Evaluation Program

Registration does not guarantee that a product will meet all users' requirements.
Potential users should evaluate the detailed test results to determine the suitability of
a product for the intended use. Optional NITFS features may not be implemented.